

慶應医学会例会

下記により例会を開催いたしますので、多数ご来聴ください。

記

日時 2026年5月25日(月) 18:00

場所 3号館南棟1階ラウンジ

演題 **How to quantify the dysregulated host response in sepsis and implications for immunotherapy?**

Tom van der Poll M.D., Ph.D.

Amsterdam UMC

Sepsis is a dysregulated host response to infection resulting in life-threatening organ failure. Although immune dysregulation is central to the sepsis definition, immunomodulation trials enroll participants based on clinical severity, not the extent of dysregulation, which could contribute to treatment heterogeneity. This lecture will discuss ways to characterize and quantify immune dysregulation. A pragmatic way to quantify immune dysregulation in patients with sepsis could improve prognostication, help to evaluate treatment responses, and identify individuals most likely to benefit from immunomodulation.

The gut microbiome in sepsis

Willem Joost Wiersinga M.D., Ph.D.

Amsterdam UMC

Sepsis is associated with profound and continuous disruption of the gut microbiome, driven by both the underlying disease and iatrogenic interventions, contributing to adverse outcomes such as ventilator-associated pneumonia, reinfection, and readmission. Although microbiome alterations are increasingly recognized, clinical strategies do not yet target these disruptions. This lecture will discuss mechanisms of microbiome disruption, including loss of beneficial anaerobes, impaired metabolite signaling, and expansion of opportunistic pathogens. A translational approach to characterize and restore microbiome function may improve outcomes and guide development of microbiome-based therapies in sepsis.

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The Keio Journal of Medicine